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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MEMORANDUM

FEB 14 1992

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

SUBJECT: Thiabendazole Livestock (Goat and Poultry) Metabolism.
The Metabolism Committee Meeting Held on February 12, 1992.

FROM: Leung Cheng, Chemist *Lee Cheng*
Special Review Section II
Chemistry Branch II - Reregistration Support
Health Effects Division (H7509C)

THROUGH: Edward Zager, Chief *Edward Zager*
Chemistry Branch II - Reregistration Support
Health Effects Division (H7509C)

TO: The Metabolism Committee
Health Effects Division (H7509C)

The questions of metabolism of thiabendazole (TBZ) in animals were brought in front of the Metabolism Committee on February 12, 1992. The Committee stated that they are not concerned with residues of TBZ that are covalently bonded to proteins and are not released under physiological conditions. The Committee concluded that no further identification would be necessary and that the tolerance expression for meat, meat byproducts, and fat in animals should include TBZ, 5-OH-TBZ (free and conjugates), and BNZ.

A. Individuals in Attendance:

1. Metabolism Committee: (Signatures indicate concurrence unless otherwise stated)

Karl Baetcke

Karl Baetcke

Reto Engler

Reto Engler

George Ghali

George Ghali

Richard Loranger

Richard Loranger

Michael Metzger

Michael Metzger

Alberto Protzel

Alberto Protzel

2. Scientists: (Non-committee members responsible for data presentation; signatures indicate technical accuracy of panel report)

Leung Cheng

Lee Cheng

John Whalan

John Whalan

3. Metabolism Committee Members in Absentia: (Committee members who were unable to attend the discussion; signatures indicate concurrence with the overall conclusions of the Committee)

Richard Schmitt

Richard S Schmitt

B. Material Reviewed:

The data reviewed are based on animal metabolism studies submitted to the Agency by Merck Sharp & Dohme. These data were summarized in a memorandum to The Metabolism Committee dated February 7, 1992 (L. Cheng). Information on the metabolic fate of thiabendazole in man and other species as described in C. Rodrigues memo review dated May 30, 1980 was also discussed.

cc: Thiabendazole (List B) File, Burnam (SACB)